



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

112403

OLIFF & BERRIDGE, PLC  
P.O. Box 19928  
Alexandria, Virginia 22320  
Telephone: (703) 836-6400  
Facsimile: (703) 836-2787

Attorney Docket No.: 116765

Date: November 24, 2003

Customer Number: 25944

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a

Continuation       Divisional       Continuation-in-Part

application of prior pending Application No. PCT/JP02/00753, filed January 31, 2002,For (Title): MIXING AND DISCHARGE DEVICEBy (Inventors): Keiji JINBO, Tomomi HAMADA, Keiko ISHIKAWA, Yoshie AOKI, Yoshiyuki KAKUTA, Toru TOMA

1.  A Declaration and Power of Attorney is attached. The attached Declaration and Power of Attorney is:

a. A copy of the Declaration and Power of Attorney from the parent application. (Used with the same or fewer inventors and (a) a copy of the prior application or (b) a revised, reformatted or edited version of the prior application that does not contain new matter.)

b. A new Declaration and Power of Attorney. (Used with the same, fewer or additional inventors and (a) a copy of the prior application, (b) a revised, reformatted or edited version of the prior application that does not contain new matter, or (c) a new specification.)

2.  The filing fee is calculated below:

CLAIMS IN THE APPLICATION AFTER ENTRY OF  
ANY PRELIMINARY AMENDMENT NOTED BELOW

FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	18 - 20	= *0
INDEP CLAIMS	1 - 3	= *0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED		

\* If the difference is less than zero, enter "0".

## SMALL ENTITY

RATE	FEES
	\$ 385
x 9 =	\$
x 43 =	\$
+145 =	\$
TOTAL	\$

OTHER THAN A  
SMALL ENTITY

OR	RATE	FEES
OR		\$ 770
OR	x 18	\$
OR	x 86	\$
OR	+290	\$
OR	TOTAL	\$770

3.  Check No. 148556 in the amount of \$770 to cover the filing fee is attached. The Commissioner is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

4.  Application Data Sheet is attached.

5.  Formal drawings (Figs. 1-24) are attached.

Use Figure \_\_\_\_\_ for front page of Publication.

## DEPOSIT ACCOUNT USE

## AUTHORIZATION

Please grant any extension

necessary for entry;

Charge any fee due to our

Deposit Account No. 15-0461

17302 U.S. PTO  
10/7/18800



6.  Priority of foreign applications No. (1) 2001-193906, (2) 2001-193907, (3) 2001-304104 (4) 2001-304105 filed (1&2) June 27, 2001 (3&4) September 28, 2001 in Japan are claimed under 35 U.S.C. §119 and/or §365(b).  
 The certified copy was filed in prior Application No. \_\_\_\_ on \_\_\_\_.  
 A certified copy of the above foreign application(s) is filed herewith.

7.  Priority of U.S. Provisional Application(s) No. \_\_\_\_ filed \_\_\_\_ is claimed under 35 U.S.C. §119.  
(A Preliminary Amendment is attached to reflect the claim of benefit in the specification if not already present.)

8.  The prior application is assigned of record to \_\_\_\_, \_\_\_\_ and recorded at Reel \_\_\_\_, Frame \_\_\_\_.

9.  This application is filed by fewer than all the inventors named in the prior application (37 C.F.R. §1.53(b)(1)). Delete the following inventor(s) named in the prior application:  
\_\_\_\_\_  
\_\_\_\_\_

10.  A Preliminary Amendment is attached. The Preliminary Amendment amends the specification to reflect the continuation data. Claims added by this Amendment are properly numbered consecutively beginning with the number next following the highest numbered claim in the application and claims canceled are identified in the listing of claims.

11.  An Information Disclosure Statement is attached.

12.  Small entity status:  
 a. Entitlement to small entity status is asserted.  
 b. Small entity status is no longer claimed.

13.  Other: \_\_\_\_

14.  This application is NOT to be published under 35 U.S.C. 122(b). The undersigned attorney or agent hereby certifies that the invention disclosed in this application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

15.  The power of attorney in the application is to James A. Oliff, Registration No. 27,075, William P. Berridge, Registration No. 30,024, Kirk M. Hudson, Registration No. 27,562, Thomas J. Pardini, Registration No. 30,411, Edward P. Walker, Registration No. 31,450, Robert A. Miller, Registration No. 32,771, Mario A. Costantino, Registration No. 33,565, Stephen J. Roe, Registration No. 34,463, Joel S. Armstrong, Registration No. 36,430, Christopher W. Brown, Registration No. 38,025, Richard E. Rice, Registration No. 31,560, Paul Tsou, Registration No. 37,956, and/or Eric D. Morehouse, Registration No. 38,565.  
 a. The power appears in the attached Declaration and Power of Attorney.  
 b. Since the power does not appear in the attached Declaration and Power of Attorney, a substitute Power of Attorney is also attached.

16.  Address all future communications to:

OLIFF & BERRIDGE, PLC  
P.O. Box 19928  
Alexandria, Virginia 22320

Respectfully submitted,

James A. Oliff  
Registration No. 27,075

Joel S. Armstrong  
Registration No. 36,430